Nuclear Receptor NR4A1 (Phospho-Ser351) Antibody

Catalog No: #11704

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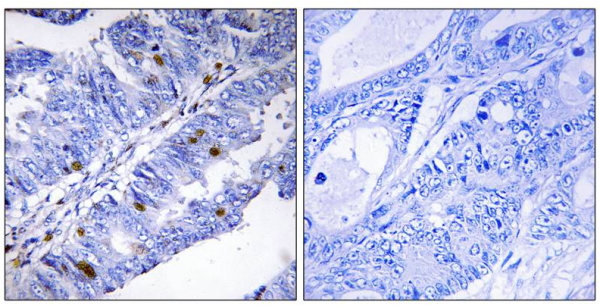
Description

Product Name	Nuclear Receptor NR4A1 (Phospho-Ser351) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of Nuclear Receptor NR4A1 only when phosphorylated at serine 351
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine351(L-P-S(p)-K-P) derived from Human Nuclear Receptor NR4A1.
Target Name	Nuclear Receptor NR4A1
Modification	Phospho
Other Names	NGFIB; GFRP1; HMR; NR4A1; NAK1
Accession No.	Swiss-Prot#: P22736; NCBI Gene#: 3164; NCBI Protein#: NP_002126.2.
Uniprot	P22736
GeneID	3164;
SDS-PAGE MW	64kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using Nuclear Receptor NR4A1 (Phospho-Ser351) antibody #11704 (left)or the same antibody preincubated with blocking peptide (right).

Background

Orphan nuclear receptor. May act concomitantly with NURR1 in regulating the expression of delayed-early genes during liver regeneration. Binds the NGFI-B response element (NBRE) 5'-AAAAGGTCA-3'. May inhibit NF-kappa-B transactivation of IL2. Participates in energy homeostasis by sequestrating the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation.

Nakai A., Mol. Endocrinol. 4:1438-1443(1990).
Chang C., J. Steroid Biochem. 34:391-395(1989).
Bondy G.P., Cell Growth Differ. 2:203-208(1991)

Note: This product is for in vitro research use only